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Complete if Known INFORMATION DISCLOSURE Application Number 10/792,244 Filing Date March 3, 2004 STATEMENT BY APPLICANT First Named Inventor David R. Hembree Group Art Unit 2811 2813 (use as many sheets as necessary) Unknown Mitchell Examiner Name Sheet 2269-3592.10US (97-0321.10/US) Attorney Docket Number

AU6 3 0 2004

U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant		
	No.	Number - Kind Code ² (if known)	<u> </u>		Figures Appear		
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Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Sheet I of 9 Docket Number (Optional) Application Number Form PTO-1449 3592.10US (97-0321.10/US) Not yet assigned INFORMATION DISCLOSURE CITATION 792244 Applicant David R. Hembree IN AN APPLICATION Group Art Unit Unknown (Use several sheets if necessary) Filing Date March 3, 2004 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT FILING DATE DATE NAME CLASS SUBCLASS INITIAL NUMBER IF APPROPRIATE 4,024,570 05/1977 Hartmann et al. 11/1977 4,059,467 Mancke et al. 4,059,708 11/1977 Heiss, Jr. et al. 4,081,825 03/1978 Koopman et al. 4,143,456 03/1979 Inoue 4,264,917 04/1981 Ugon 4,300,153 11/1981 Hayakawa et al. 4,323,914 04/1982 Berndlmaier et al. 4,358,552 11/1982 Shinohara et al. 4,507,675 03/1985 Fujii et al. 4,602,678 07/1986 Fick 4.628.406 12/1986 Smith et al. FOREIGN PATENT DOCUMENTS Translation DOCUMENT DATE COUNTRY CLASS SUBCLASS NUMBER 52-77684 06/1977 Japan 55-128835 10/1980 Japan 01/1981 56-4241 Japan 60-94744 05/1985 Japan 60-178651 09/1985 Japan **OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.) Crum, Trends in Advanced Component Technologies, Electronic Packaging & Production (January 1998) pages 48-53. Lawing, Vacuum Dispensing of Encapsulants for µBGA Manufacturing, Electronic Packaging & Production (February 1998), pages 87-91. Markstein, Cooling Techniques for Today's Electronics, Electronic Packaging & Production (November 1997), pages 78-82. **EXAMINER DATE CONSIDERED**

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Sheet 2 of 9 Application Number Form PTO-1449 Docket Number (Optional) 3592.10US (97-0321.10/US) Not yet assigned INFORMATION DISCLOSURE CITATION Applicant David R. Hembree IN AN APPLICATION Group Art Unit Unknown (Use several sheets if necessary) Filing Date March 3, 2004 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT FILING DATE DATE NAME CLASS SUBCLASS NUMBER INITIAL IF APPROPRIATE 4,642,671 02/1987 Rohsler et al. 4,801,998 01/1989 Okuaki 4,862,245 08/1989 Pashby et al. 4,873,615 10/1989 Grabbe 4,931,852 06/1990 Brown et al. 4,942,140 07/1990 Ootsuki et al. 4,961,107 10/1990 Geist et al. 4,984,059 01/1991 Kubota et al. 5,051,275 09/1991 Wong 5,071,787 12/1991 Mori et al. 5,081,067 01/1992 Shimizu et al. 5,101,465 03/1992 Murphy 5,108,955 04/1992 Ishida et al. FOREIGN PATENT DOCUMENTS Translation DOCUMENT DATE COUNTRY CLASS SUBCLASS NUMBER YES NO 62-109326 05/1987 Japan 62-115834 05/1987 Japan 62-261133 11/1987 Japan 2-306639 12/1990 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Smith, Packaging to Beat the Heat, Semiconductor International (November 1997), pages 73-76. Die Attach Products, Johnson Matthey Electronics, Product Data (07/01/94), 6 pages. Product Bulletin, Dexter Electronic Materials Division (undated), 2 pages. **EXAMINER** DATE CONSIDERED

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Form PTO-1449

INFORMATION DISCLOSURE CITATION

Docket Number (Optional) 3592.10US (97-0321.10/US)

Application Number Not yet assigned

Applicant David R. Hembree

IN AN APPLICATION				Applicant David R. Hembree				
	(Use several sheets	if necessary)		Filing Date March 3, 2004 Group Art			Unit Unknows 2813	
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(2-92)Sheet 4 of 9 Form PTO-1449 Docket Number (Optional) Application Number 3592.10US (97-0321.10/US) Not yet assigned INFORMATION DISCLOSURE CITATION Applicant David R. Hembree IN AN APPLICATION Group Art Unir Unknown (Use several sheets if necessary) Filing Date March 3, 2004 **U.S. PATENT DOCUMENTS** EXAMINER DOCUMENT FILING DATE DATE NAME CLASS SUBCLASS INITIAL NUMBER IF APPROPRIATE 5,286,679 02/1994 Farnworth et al. 5,289,346 02/1994 Carey et al. 5,291,064 03/1994 Kurokawa 5,304,842 04/1994 Farnworth et al. 5,311,060 05/1994 Rostoker et al. 5,344,795 09/1994 Hashemi et al. 10/1994 5,358,598 Chiu 5,358,904 10/1994 Murakami et al. 5,358,906 10/1994 Lee 5,371,044 12/1994 Yoshida et al. 5,378,924 01/1995 Liang FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY CLASS SUBCLASS NUMBER NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER** DATE CONSIDERED

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Sheet 5 of 9 Docket Number (Optional) Application Number Form PTO-1449 3592.10US (97-0321.10/US) Not yet assigned INFORMATION DISCLOSURE CITATION Applicant David R. Hembree IN AN APPLICATION Group Art Unit Unknown (Use several sheets if necessary) Filing Date March 3, 2004 U.S. PATENT DOCUMENTS DOCUMENT EXAMINER FILING DATE DATE NAME CLASS SUBCLASS NUMBER INITIAL IF APPROPRIATE 01/1995 5,379,186 Gold et al. 01/1995 5,379,187 Lee et al. 01/1995 5,379,191 Carey et al. 01/1995 5,385,869 Liu et al. 5,387,554 02/1995 Liang 5,394,303 02/1995 Yamaji 5,396,403 03/1995 Patel 5,432,127 07/1995 Lamson et al. 5,432,675 07/1995 Sorimachi et al. 5,434,105 07/1995 Liou 5,436,203 07/1995 Lin FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY CLASS SUBCLASS NUMBER OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER** DATE CONSIDERED

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Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number (Optional) 3592.10US (97-0321.10/US) Application Number Not yet assigned

Applicant David R. Hembree

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Sheet 7 of 9 Docket Number (Optional) Application Number Form PTO-1449 Not yet assigned 3592.10US (97-0321.10/US) INFORMATION DISCLOSURE CITATION Applicant David R. Hembree IN AN APPLICATION Group Art Unit Unknown (Use several sheets if necessary) Filing Date March 3, 2004 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT FILING DATE DATE NAME CLASS SUBCLASS NUMBER IF APPROPRIATE INITIAL 09/1996 5,552,635 Kim et al. 12/1996 5,579,573 Baker et al. 01/1997 5,594,282 Otsuki 01/1997 5,596,231 Combs 5,598,034 01/1997 Wakefield 5,604,376 02/1997 Hamburgen et al. 03/1997 5,610,442 Schneider et al. 5,641,997 06/1997 Ohta et al. 5,652,461 07/1997 Ootsuki et al. 5,656,857 08/1997 Kishita 5,659,952 08/1997 Kovac et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER DATE CONSIDERED** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number (Optional) 3592.10US (97-0321.10/US)

Application Number Not yet assigned

Applicant David R. Hembree

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number (Optional) 3592.10US (97-0321.10/US)	Application Number Not yet assigned
Applicant David R. Hembree	

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